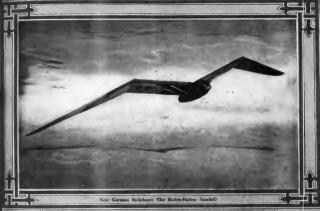
SEPTEMBER 25, 1922 Issued Weekly



VOLUME XIII Number 13/

# SPECIAL FEATURES

GLIDING IN EUROPE - 1922 THE PRELIMINARY DESIGN OF AIRCRAFT THE ARMY AIRSHIP SHED AT BELLEVILLE, ILL.

> THE CARDNER, MOFFAT CO., INC. HIGHLAND, N. Y. 225 FOURTH AVENUE, NEW YORK

Four Dollars



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There has been firmly established throughout the country an active and intense allegiance to the AEROMARINE name and the excellence of AEROMARINE FLYING BOATS.

Underlying it and stimulating it is the wonderful record of their performance; the charm of their travel: the case with which they handle; and lastly, the superb reliability and economy with which they serve.

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## THE CURTISS EXHIBITION COMPANY Incorporated July 30, 1910

Announces an arrangement with the CURTISS AEROPLANE & MOTOR CORPORATION

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On a larger and more progressive basis, with the following inducements to students

(1) Flying instruction course (3) Eight weeks intensive (2) Courses in Radio and

Emergency Signaling.

training in aeroplane mechanics. (4) Positions to competent

### Presentation to Graduates of Cortica JN Aeroplane Less Motor Employed to take up OX Mater

By this new about a student at that party stude to the last as We are able to after the order course sachaling from the green a mechanic on which he can obtain at measurem expense. We are able to after the un-the supercomm assuming in make him a final-class pilot, equidic The first class mades this when to more being amoulted, and of you have been coundering the pendichast of a fature in you have not been considering the possibility it depends

The enter plus is highly androad as being one of the unit programs steps over taken for the advancement of commercial year could desight, for the completes personne to be the the



SPIEMBER 25, 1922

AVIATION

Member of the Audit Durons of Circulations

ghteen's re-gibles in Europe—D22 re-the Pedenman Design of America 200 

World Plant Abundaned Nonal Halphine
500 Contains Learning to Fly
A Letter from Wallace Kelleti Value of Armal Furest Pared 

THE CARDNER, MOFFAT COMPANY, Inc., Publishers ISGISLAND, N. Y. THE BYLKETH AVENUE MEW YORK

Palacocypine price: Four deliber per year Single super.

Insued very Monday. Forms done for days provinsky tos crist. Cessels, for skalane. Fromps, Mr. deliber. Evidence for successfelses matter Nov. 2, 200, 3 and 3 genr. Copyright 1000, by the Gentler, Monta Con.

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THE MOST EFFICIENT SMALL

PURSUIT ENGINE IN THE WORLD The Wright Model E-3 seconstrical enrine which was based upon the original French Hispano-Suisa Model during its several years of manufacture until it has become the most efficient truming and small nursuin

No other seronautical engine built has had such an experience or such a production behind in Own 50,000 of these models were produced for the war emergency and used by all the Alland Governments-proof positive of their

efficiency. Wright Aeronautical Corporation, Paterson, New Jersey, U. S. A.



PATERSON, NEW JERSEY, U. S. A.

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L D. CAR-IN AVIATION D. Morear General Newson

Common Scene in Air Transport ED LIEWHERE in this mine their repears a letter from E. the Southers of Way in which, commenting on a second absent to Assayers, he emphasizes the importance of assault

Ensely suspectant to the fact that the operating company has named with the match discussed Encopean strenge, where a labor arrows, sharted the route in a concible consense. He is a because way. He also posited out the recentive such as band saund respect that made punchle the complete str-As a possit of this enveraging showing it is probable that

will be an expectably and country directed on the Deleval-Clero-Commercial Aviation in Europe

COUNTRICAL Aparton in Tenero, sempling to Prof. . F. P. Wasser who has yest returned from an extension the should may be consued up to two sweeted statements which are the most of observations be made as the country of 2000 cubes of all travel in England, France, Belgram,

The record in it has been shown that of a resonantial fruiton enterprise to complet soldy as a resonancial under-

trice between Landon and Parts, with only one erroless. Thus made as five date, or on average of \$90 moles such day, where mount about ten bours of frying darly. During all thus, the

Farmer F. Wollette. Born H. Urus

Street Flying in Civil Aviation. A finer in cord available. The best arguments against street flyour are as a role furnished by office who do fine

has been looked more by the general public as an assessment fields expect to get a real thrill from their flight. With the course of well established commercial autises, the short toy sides will become a thing of the past. Tested by air will be Stant from to on ort. Stanling reason more than forw per cost of deaths and sequence is alsojiana accidente, and it is

not corprising as these are perhaps not more than a down tr made he called a necessary red. All pales alread heavy We Dansharty has record over tox thousand percenture rider whole only five and of ten years have prose on for the

one for strucks flying who did not have collected training

### Gliding Experiments in Europe - 1922 An Eyewitness' Review of the Results Achieved At the Recent French and German Gliding Mosts By Edward P. Warner

other intern or developed through mechanical and

The machines used to the French sempetation, as shown

The set and practice of sinking are very six, their origin.

skilled moist on a very effected allider to present sinds owner.

Fig. 1... 2. P. Henters on the Henneses "Vaggeire," dermonts John State. Fig. 3... Larger Systemsted on the Former. glider which won most of the erests of the French compaction. Fig. 3.—Boyen Frequing on a Harth subplant. Pay to-

Sestember 25, 1922 gauge were found in the machines externd by Parsson (both sampless and Release), Poles, and Reliangay Douple the of many of these gladers was extremely light and the leading

> he name our of them and a fundamental difference between Particulars of the Aircraft Entered in the French



4.50 50 MIT M 65 Chront T 61 Devocing M 62 Levenory M 63 Data M 64 Findan B 65 Bonart R 5.50 9.50 12.5 TF-0 11.30 4.85 11.5 504 12:20 656 200 501 5.50

No. Co. sicrost the Secretary and the Secretary of the Secretary against a secretary of the The street No. 14, 25, 26, 27 and 48 are Sected No. 17 in

Bellesger-Den

Above-A take of six Hamover "Fampers." Relea-The Garmon Surreture of State communication the Yessenso's pilets. Martens (ir/t), and Henters (right)

came effort from airplano companios or free individual inregularities being the glader designed and built by timbert numbers of the Accountical Environment Secrety at the Managhautty Traffigue of Tucknology

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Daying the first few days of the Famous most, matrix pre-ceeded very sheety. With the exception of Alien, the Amer-man pilot, on one there had ever Jone may globing and they were not units may how to proved. During the first five days

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Beside of the French Competition. The performances officially assessive at the French of

AGGREGATE PLACET ENDEADER:

1. Farman 67 (Descenting and Fashbas), and man, 55 are

8. Farman 58 (Descenting Ast 1996, 50 are

1. Carelon 14 (Canden), 51 are 120 are

4. Coupt 8 (Canyell, 52 are 120 are

5. Borart Cloud 45 (Descape), 72 are

6. Peter 20 (Descent), 16 area, 12 are

7. Mall (Malley, 12 area 170 are

Lavaneau-Alvill 92 (Phin), 2 syn. 35 sec. Delinger-Deshad 27 (Phin), 55 sec. LOWRENT STROLE FLIGHTS FATTER 19 (Horsemott), 5 sec. 15 sec. Coupet 6 (Coupet), 4 sec. 15 sec. Coupet 6 (Coupet), 4 sec. 15 sec. Levineau 5 (Horlett), 1 sec. 15 sec. Levineau 5 (Horlett), 1 sec. 15 sec. Levineau 5 (Horlett), 1 sec. 15 sec.

7 M17, 39 (Alba), 1 m 8 Peter (Eccely), 1 min B Chardon (Chardon), 1 50 Climent (Sapther), 1 m

J. DOWNER STREETS SPEED

1. Perman 10 (Bennestre), 0.17 m. per second

2. Compas 8 (Cuspets), 0.035 per month

3. Donate Climate 45 (Deventops), 0.08 m. per second.

4. Farman 47 (Paulana), 0.905 m. per second.

4. Farman 47 (Paulana), 0.905 m. per second.

Ferman B (Benestral), 80 m.
Ferman B (Coupel), 50 m.
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Parsent IE (Rescuttet), 0 m. (Landed on spot Farment 47 (Peoplem), 3 m Bennet Chinast (Decembe) 6 m After the official element of the meeting assemi component continuous their engineering to several principle of figure in south from the Psychologous on Aug. 46 for a pure official point of the Psychologous or Aug. 46 for a pure official point of the Psychologous or Aug. 46 for a pure official point of the Psychologous or Aug. 46 for a pure official point of the Psychologous or Aug. 46 for a fine of the 2. Psychologous official point of the psychologous 2. Psychologous official point of the psychologous 3. Eventure 10 (Banacares), 3.56 in as 7 and 50 for 5. Eventure 10 (Banacares), 4.56 in as 8 in an 50 for sec.

Sestember 26, 1897

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4. Couper 6 (Compael), Juliée as, in 4 man, 46 mg.
4. Couper 6 (Compael), Juliée as, in 4 man, 46 mg.
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The Governo Meeting.

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were no the hirt normal region, the stress elabels is appoint. The preceding wind better from N.F. (apper L.B. rever). The preceding wind better from N.F. (apper L.B. rever). The first preceding wind better from N.F. (apper L.B. rever). The first, from white could be draited and for release. The first, from white could be the first field and for remaining content with physical stars the tender gain, physical tenders, and the tender of the tenders entirely better from the first field complement of created methods entirely better from the first field of the first field of the field of

Gunneber 25, 1922





Fig. 5.—Kimperer highins. Fig. 6.—Hummer "Gord". Fig. 5.—Coment trackers. Fig. 16.—Couper monophus. Phys. II.—Exharism on his Clumter type plate. Fig. 12.—Fisher breater plate. Fig. 15.—Directors monophus. Fig. 16.—From Proceedings. Fig. 16.—William Straightford.

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Results of the Gormon Competition

The results of the Greens ambaleus commercion, as an-

Second Berth-Economichast (Furylog, Harth, Huth), 25 Port Sepreleck Mosspiese (Sekresk), 2.8 km.

The Honoree "Vampiry" subplace in which the German The chief difference between the two types is that the 1922

but its total wang gree is somewhat langue. A comparison

The first of the notable decretors finish made this year

each! and passed once the stering point at a height of 200 ft.

such the passed door for occuring point as a serger of the first secret, figure eight was made 35th min. after the start and at a beight of our 220 ft. Then he said a beight of our 220 ft. Then he said a beight of our 220 ft.

see after taking off, at a length of about 165 ft. His mate Parally, on Aug. 24, Heatnes made has longest finte or The Trans, develor: On this covering be took of, it many

September 35, 386

Finally arross the question as to the queliabets of such as

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Outline descript of the Dermetadol sulplane

for the first time exceess themselves as delighted with the for the next time experie oversaries as acquired on aspectative. In the second place, certain experiments can be speak and another than the party than it we represent the many party and the party of the party

It would, of source, be very reckless to say or to amply that the limit of sources development has been reached. The first great step has been taken in conjug with assendant can which was long ago descentrated by Langley, will be realised any metrages, but the twee way come when we shall not tree

some without vertical scaling of the gar.

The Preliminary Design of Aircraft By Ungenieur en chef du Genie Maritime Fortent

Vaccolated by J. C. Hymosher, Community (C.C.) E. S. Mary

way on a few words the austicidate and encolouse of the Distriction and Object of Accordings ( sensor whose application permits the conception and realestablish a jest balence, tolong account as well as possible of all the special confiltren appropriate to each particular

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ance of alarmoret); stendardustace, determining (effect of An expect of exy type should contain a certain ranches ness observedenties of a vessel) stability controllability Sailfry of apprentions safety in take off, flocks and landing southbelty for hight as rough our and for acrobation (when proplynamical "frances"; speed, clerk; reden of action; atability Brit colleges etc. derectivities one be gone marked proceederance over and sufficer arresult) world lead; mediat, one of leading.

is harmonica amenably, gost as in the rose with any important ment of many or Asteriorated rurter facility for shapment by (3) Characteristics possilier to the service extended. Beexections of all kinds, for example, there are often associative Early such condition it follows that if there is an meted many over condition is present that is said in the morning beaution of one of the finalstances, players provide a security. these festeres restant be magazinel except at the price of definate and Orficel; the arrivel as a good composume must

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will moreover before we can underwind one another, to re-"Corning address before the Torkships Strating of the International Computer for Asrical Marketine makes the total Effective to the Publisher on a Pauling of a Strategic of the stratum for the server require specialized knowledge and from Fr. o. Ser. 14, 1921.

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Therefore, as seroult are distinguished by these from shifter, arrespinson and performance, it is appropriate that accelerance should be applied properly that out only North permits only a brief expectation of the constable of the obtain true proportional annihilate to the experimental annihilate annihilate annihilate ann

(r) The influence of rough air on the forces and practions

In view of the first that to date an adequate theory of the section of bodies in still or determed that has been decree.

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(C) Due to the send one of the model, it is very difficult

(D) A model has to be exprorted in the wind terminal est prevides. (E) Because of differences between the setop of the surnot know the comple deporture from ramilitade of the way region. To the intermediate case where a relatively large model w

September 15, non-

reperienced to allow for any defect to applicate horsess the

(1) Models of alrylanes in a wind toract

more difficult to treat. But it is necessary to attack with he shows and Safe vessels were limit long before the laws

Fast Flight in Lorning Air Yacht

Mentreal, P. Q. In 4 hr, school Swine Size.

Ross K. Jackson, President of Continented Meanes of Detrop, left Port Westerston, Louis Island, as his Lorsing All poses, and which he expects to reach via the Great Lakes.

### The Army Airship Shed at Belleville, Ill. Home Railding, New Under Construction, To Be 923 ft. Long. 206 ft. Wide and 170 ft. High

The Army's restricted, the W. M. Sutherland Hilly & attention became of the expressing difficulties. The document Costs Co. to making paged progress on what is believed to be

cution and in naturally one of the mid-points on franco-The structure has many new features and represents the

general 200 to, 6 to wide, 170 to logic and 823 ft. long. The made electrons to 150 by 100 by 100 ft. In addition, doubter shood receive of the wheel, a steel gas belder of 200,000 on it

The ride walls and decre are record with aluminum control and in the tile. This often is substited us on surfall embour-



All place in quarter toch rebbed activit (horses) wired to sud-

execute of 400,000 ca. ft. of an per bour such. I not said of the root is constituted an constructed awar.

I'm ld ft, with a 6-ft, platform all around. Each observation

on Astrochy of Assertant departure and are a radical departure



North door and and intense inchine north wheel trucks, with standard sanding device, travelling on two

in place of springs. Two of the treaks for each leaf have are well breaken. The total lead my treak in 200,500 in. completely enclosed 1d prevent sparking, driving through speak course two mars of wheels of each corner brack. The fear maters per leaf are 220 volt d.s. Westinghouse, designed for

Nach door leaf somice a control house, in which is installed min of starting positioner. The control againment is suntable for controlling the fear series would, direct-private meters lacking switches so that merpenoseol personnel can not in that of the retices and runtimes to held said the carried The doors are negated to open at a speed of 30 ft. a straute.

In the case of facings of the electric power, or of the mechan-

chiling out of much a pinion of the gran drive. The hand de-

they commute of two steel drawn and cables. One end of the

a frame ledding two vertical which which was assent the largest samble yet properly to enter this building with easy, The mierier of the hangur is provided with a trench 3 ft. sware, running down the conter of the heilding, with a runcarry bydrares or believe can and two 2 as, more for con-

On each side of the building on the A-france are eight meal! buildings, 32 ft, wide, 1514 ft, high and 60 ft, boos, es offices, instrument rooms, storage, topicts, lockers, rayalr confidency and imprison become appropers are breaked to make gas tight jounts. each room. Eacht fix hedreads are properly distributed along. Construction much at Grip corport, the new six risting north the extends of the building with a possency water grater-Hierarctice of the building at night is by one row of 290 more singler years of lights. These here vapor proof glass

All lights are arranged in strongs of those so that only the

row of 45 watt lamps on drop sovin.

secondary eyes may be lighted. However, all lights was beberned on at one time from the fear evelshiours rooms to led two on only new or one pursuing. The floor of the heddarp, sloped to powerle dynings, wat 4 is, countries opveyed with a 1-in, sephalt mastic commun. for the purpose of previding as and proof and a spark proof The weight of the entry structure is carried on more water each column, 7 ft. deep and 7 x 15 ft. in section. along such sale of the shed the fall length, are voltage. reached by starrage. At these pourts steers ma In to be

ested two on ones task of the building

New Aircraft Manufacturing Corporation The plant is located in the center of an established assemb



on the Mantack Division of the Long Divisi N. H. and may be dation to boving an avoident relevand location the plane is distant to borting as arrange passed and the Junction of the Junction of two highways and about andway between Stample and Fay Booksway, communetty both land and water washings one be searcemently received and delarged by all William F. Brennett, formerly appropriate and treasurer of the Lewis and Vengle, Cury , is president of the Baldwin Arrowsh measure of the Chance Vought Curp., in general measures

That Reversible Airplane

Edde looking through the Jely 3 number of Amarons I was very much informed to find John B. Flowers' stride as a receptible or backward-flying type of girulane, and I me a service and We appended discussion with much intermer to edition. Predamentally, my plan cells for fundamentally, understraigh, motor and propeller, must appropriate our from rooffed and marillary merison, and much of manual

RAME ASSESSED.

- 1. The properly is reversible. 2. The central and numbery surfaces are believed, the same of operation is preserved for bankward flight,

  4. Everyor wanters alternature uses
- E. A central shad in used with the wheshed anderextrings, to be used shadly for prevent landson. 5. Exventible cockys, and other premitte or double Ericly, my plan calls for a tractor macking for forward fight. There is no complexity of families as with Mr. Plowers' moveted type, and a clearer view for the pilot is nervided author review location and design, and the complicated series

of accolumnate desire conblons sections. The ideas more ported in the machine are radical, but no also are the deposited in the inschare are rathes), but we also are the de-man's imposed when such a type of simpleme as colled for History W. Pinze Fritzen, Ow., July 11, 1822 From London to Moscow



New Arra Rabu on subset the Posture valet Greatur Total Co. made the king flight from London, Employed, to Mescop, Exc-

Air Distance Recorder that civiling sixtraft in the United States Sew last year a total of approximately 9,000,000 miles. "Edwards" and "approximately" became very few of the take-off and time of landang of such right, figure the stapes; time, meltryly by the estreated average are speed, and finally trophic could report only "estimated" distances, because of the

In order to have a record of the performance of his sh.p., her the estimated average agreeced—giving a result which in rither the what or his surcharac has to do a large samuel of It in for the purpose of aliminating all of this hook-keep per covered by a small but powerful Venture tabu, to an indicator on the instrument based, adding one mile to the The accuracy of the Picturer Ast Detuzes Recoder, when would natelly a wike a fraction of one renewal for

all fiving speeds and for electrics of one per-sent to contend mucht of the transmitter and sufficiency in loss that two pounds, and the bend-resistance of the transmitter fif a trip or dolly record in wanted this may be noted from the "tree" audientor which is then set back to seen. The cal peters from different shops per mole flows, sie. The Air Distance Recorder to also unvaluable as a navigator in weather which more or been observed but land-marky a simple ground observation, it is possible to bring a sixp-

favorable conditions. On such a flight a relative companiis of course necessary, and proper allowance much be made

Notice to Aviators combining as six harbor at Esquissalt, Vancouver Island, On the north by a line down from the northern part of Patterne Pant, western sale of England, Blatter, 90°, for of Dyke Frent, thesee 200° to the extrane southwest point of July Read, those 200° to the extrane continuent point of July Read, those 200° to the extrane continuent point of July Read, those 270° to a worst about 50 vil from buck-water mark at Bose Bank, themen 6° to the point of

No special signals have yet been presented in connectace It is registed out that compleses while at anchor or posteating on the surface of the water shall be subject to the came requisings as opinary serfece craft.

use of the airplane in this trip. Claims that fure 5-July 11, 1922 In a serous addornal of Avantur dealing with the new In a percent converse or Aviation dentity was the new Jankers incompleme the statement was made that "Profession June 10 Nones Junters, who was the originator of what the German call of Ross from Langley Field, Hampion, Ya, bond for Ross Field, Arnelle, Calif. Cate, George A. Holledon in mound constant of critica sides for naval stations, to June 12 Screen Mr. Hellin. joint see. (S.J. 207) to prevent sixcased in Congress. In consecting with statement we are in recent of a beau vicees from disturbing webby assemblies in the by Temple N. Jayre, of Harmann, Mej, in wood as any among others: "If I am convex, and you can determin this by the evidence which I am secting under asparate cryst." ton, D. C., Akren, Obno, McCook Faild, Dayton, Chen; Social Faild, Belleville, Ill., Canvo Phin, Lettic Socia, Ark., Lette Bid for Air Mail Depot The C2 is life in 100g, on 11 wast, of H. hage, now one or opposity of 172,890 on it of hydrogen. Two 250 her Woods. an outside and plants which her been in specifics for beggin Natification that President Herding had signed the Economy and Industrial offer enveronment 140 (II % 9853). This bill carries en appropria-Fekker enguated the cartifever memplane-s fiel with or the relateral or countries. There can be an exercises that two hangurs will be 100 ft. by 100 ft. The supprovements will gave the Atr Mail Server observed 70,100 eq. ft. of Boungle in the Smale by Mr. Walsh polative to mail service.
The Fort Office Deportures through arrangement with the hantspeed facts. In referring to Prof. Junkers on the negle-June 19 Senate Air Mail Service Commended a modern cube agraine with low wines. The rathe remark applies to the case of the Folkies Hochdrokes, although as a June 23, House applies to the case of the Fonter Hondrester, afficest on a neatter of fact the Germans differentiate between this layer, m The sir read depot started as a requir station has developed yets an important feature of the arrive. Ornhally a skilled the year is rested above the top of the freedom; by relies the latter a Person Emercian, and not a Machineter. "MESOLVED FURTHER, That the National Advanceof the Air Med Serven in their class condition at all finon-Brak-Papa on First Makes 208.5 m.p.h. He Kelly of Michigan explained in the House Aeromantic Direction Instruments N.A.C.A. Report No. 128 Delays "Sangardane" fitted with a 300 ho, Human-Semi Report No. 129 of the Nettonal Advisory Committee for Figure a Fast racing biplions fitted with a 700 has First angras, Euch-Pepa revered, in accordance with F.A.I. regi-June 26. Street British Prizes for Sailplanes the radius of centura rayal eviator officers who and develops the simple theory or this beam.

The principal trops of gyracepic indiscessions and six it will efficiely stand on the world's cow speed record. Amy hil (H.R. 18911) signed and presented to Previous. A total of \$12,000,000 accompand represent for surplemen. Part 113, contains a brief general treatment of the fre-Nary bil (H & 11228) squed and presented to The yound-the-world fight of Major Blake has been shot-President, Bull economisted \$54,963,500 for descriptions of the principal types used as America and El Part TV stress a local history of the development of sixplane turn indicators, with detailed descriptions of all known

July 6

Poler flight plans of Edwin Fabrica Nealty as-

A copy of Ergent No. 228 may be obtained upon request from the National Advisory Committee for Assonation, Washington, D. C.

September 25, 2021 September 25, 1922

Aviation in Congress

AVIATION

"Hochdecker" and "Tiefdecker"

Transcontinental Airship Flight

### Novel Sailplane

The scantractors of one of the most encountal machines This machine, which is dissipated on the cover page, is a dender vings, or designed as to allow by vittae of a special describetion of lefts—a sate of 1 : 12 to be edoped as the ratio of other. The orders have obtained in a fulfilly the sal so far to addised in surplant renotrarities. Tests at the

the marking was found to be remarkable without in any way When equipped with a small ourse, this airplane will it in believed, attain opends otherwise satailing the roy of ex-

## 500 Civilians Learning to Fly

According to reports computed by the Accountries! Chamber Among the leaders in civilian france instruction are New shows at the field of the Depton Wright Co. 4600 magnifies

Walters Kalley, of Philadelphia, American representation of the few of Ferman Ferres of Billianough (Scine), France surplanes, who is at arrest attenuating in Prages were in "I few up to Bressels in one of our Goliaths for the la-ternational Phylog Morong, June 26-27. About 160 masking

A Letter from Wallace Kellett

lenderer was read, reductor the Etter kirnel? Me were critision would be that the sufficery and was perhaps possidone. I think it is almost a good thing in the State, the The nor lines here are running regularly, had this many "Our Golystke are new rusning to London, Brussels, Susterders and Lennezze, and they will be an asyries on the

## Value of Aerial Forest Patrol

in his territory that there were no fines to be seen. It hapcerval from his lookeste were not an peliable on be wan led to believe. To his givent constraintable by discovered that he had

## The Wrong Kind of Protection





"Oring - pring-

## ARMY AND NAVY AIR NEWS

Superhalds Transcontinuously Flight - A recognisable transconhantel Ogds with odds one intermediate shoe was necess This was the around attroopt of Lowtenant Duclittle to one the continued with one intermediate stop. The first attempt Luctourt Docktile is a salive of Alamoba, Calif., when he was horn on Day, 14, 1896. He attended the Europealty of

siese, it was Lagotenaut Doolitie who went unto Mesons, bed pose, a was assistented thousand who went into Mesons, had the engine separated and finally flow the pisses back to the States after it had been expected to the weather far two ar inhorar marred offeres and radets of the 18th Grouptuning at the Air Service Advanced Flying School: List Launt, Lynna P. Winden, Chayton C. Shungrey, Affred Charest Jr. Haw H. Clark, and Franc Cadeta School T. Soler, Thomas E. Halpan, Chester A. Potter and Albert C.

As Jersey Reserve Activisis in Circulard-Tio Occurred for Perk are appeared to Christian red Coyaloga Court-lations; in the Sungers in Cleveland is repolly growing, and if

serviced at Changle Field, where a consecution course will

Army Orders-First Licet, Joseph W. Benroe, A.S., Brooks Publ. Tex., in Scott Field, III Fald, Tee., in Seath Frield, III.
Free Levit Wilkiam M. Lamquer, A.S., Avisition General Supply Depat Marrison, Va., to Longby Frield, Va., Lambert, C. L., and J. L. Lambert, J. Lambert, T. Lam, in Comp. Affird Visit, N. J., for instruction in alternated mide-Capit Seriel Headin DePerel, Inc., Kully Field, Tex., trans-formed to Jan. Servano Agr., 2, 1995. Cant. John C. Colenn, A.S. Laneter Potts, Va.: to Prov-

May Florrison H. C. Hickards, A.E., with Organized Ex-Her Loui Kenarh Franco Paghe, A. S., to Brooks Field, Tex., for frang transang. Maj William J Pittersurve, A.S., found by Amy returning beard myspeciated for setres serves; retred.

First Land Walter Expressed Peck, Inc., Kelly Field, Tex. First Lord, Donald F. Stare, A.S., Caristron Field, Fig. 1

May Charles C. Desedier, A.S., New York, to West Poort Military Academy, Dept. of Tactics. Bristed from duty at mission industed and assigned in May Robert Coker, Cortice Element Air Reserve dense Buffaca, N. Y.; Care, Lyawood Et Jarobs, Care, Raish H. Worker, Capt. Household J. Boughbad, Laughy Field, Capt. Bosolson Boon, Cump Knox. Capt. Francis M. Brahy, Mintel Field, Capt. Abort M. Orsden, Capt. Frank O. Bonter, Scifridge Field, Capt. Edmand W. 1981, Capt. Ho. bert V. Hopkinn, Capi. George S Warren, Sonta Field, Capt. Chillian E. Wheeler, McCook. Field; Capt. George P. Jahnen, Kelly Field.

Tex., for firing training.

Let God John H. Hoverel, A.S., designated as communicate Man. Rolah Royce, A.S., demonsted at commundant, Air-

Md, has been recrystical at the 48th Squadess (Bienhard mant). Presser Museum, Williams, Faster, Care, and Outside by made Espita to Langley to arrange the transfer, which were effected by a Martin Decice. The addition of these som was An Extractor Managing Tells-Licentenents Hine and Webber

Are Destroy, settings to become just to any research of the control of the contro Tex., E. Pure, Tex ; and Negater, Are: "The total diviner time was approximately 30 hr, each range 10 flights. This is see that I also City. Some interesting data on this Bight in being

Posterous House-The Districtable Service Corn was determined that in this organity he sould hest serve the late. our hand Turnels Practice. The Nary suspeny schedule sain of the country during the was empressive. Across saint on the Adaptic Place for this year for the first time includes sals of one country often are was scooped as making tree a septem in the Arrey Air Service and from the on he olds for the term probably on hope an excent 50 males off the Names Copes. At this time the first will be under way off the owner and the torpodo spendroes statemed at Hampton analogs of respience will ree from their base and for to an As north on there pack up the fact there will go late at EARL P. COOPER AIRPLANE & MOTOR CO. The test at to show the practicability of attackees a first maybe from the ner with torpedors, and the hits well be Aerenastical Instruction Age Chi of Bress 470 S. Wickers Ave. fown in famon. During the latter much of the combat he possess you as the man to personly possessed, after which the Niche Londone Endonere at Assessment do a stude to continu One of the largest and last equipped firing fields KOKOMO AVIATION CORP. The managers will be under the direction of the Acting ALL TIPES OF CREEKS PLANS mary horsesse in netice tree Lockstonie, France, Sept. 13, 1858. He, with Frenchery, Clerence C. Kaho, mist, were one Field, 5 andre 5. E. of Bullianne first life, with premiserry, expressive C. Friene, print, word firstled to take obstanwards of the old Hudschare land The industry is compared with ped and seem holic. The All branches of Communic Arteston, Shote, Harpery and afficient Field Services AMERICAN AMERICANT Inc., Station F, Box 184, Railmann, 8td. AEROMARINE AIRWAYS, INC. hade account up wend with politics to the open field. They MEMORIAL PARK & STYRE 11 Posseque Flying Craines sident of were appreciated. They were too heavy and had WHITE BEAR LAKE, MINN Hareld G. Peterson Aberreft Company SCHOOL OF AVIATION NAME AND POST OFFI PARTY AND PERSONAL See Acres - 4 miles from Timer Square. the becoming of the fight and were therefore necken, he stayed with the formation of 1876 for manufacturing in madition to the All Neval senature planes are composed with radio trans-CHAMBERLIN AIRCRAFT CURTOS FIELD, GARDEN CUTE, LONG DILAND CURTISS ATROPEANE & MOTOR CORPORATION Foul J. O'Donnell, second bentresot, Infactor, 95'h Auro four box and precuses makes. He are considered managed in four V-mobile three Assumations and one DH4. A triple field APP AFFORMARINE AIRWAYS, INC. 11 Feature Pives Course : 5 passence, upon and codered Fives Sects. Sylvaning Learn - Fights is there and Lake Execute Nami Onton-Comir. Warren G. Child. det Assenti Sendron, Section First, to Grared Business of North Assers It, Eastern Dist., Gapden City, L. I N Y.
La Cowder Virtor D. Herberter, det General Inspector of D & C DOCK, POST OF BART ATH PE Coming Aeronautical Events 12 Penenger Flying Craises Combr. James Spottersoods Terrior (MC) died League DAYTON, OHIO. Livet Jac E. Kyle, det De Accounties to Ascendi On. 1 - Deput Arral Finer Durby, Deroit, 1Car-Best Armen Sono Narel Reserve Faces-Deet Armets, one of Ges. 13.16 ... Decrease Aerial Durky, Decrease (Pubmer PERSON AMPLANCE & SUPPLY CO. WANDSON CURTISO WISCONSIN ARROSCASE CO. Access in reclaimed an one of the process in Associate secondaries laying first learned to fly in Sun Darse, Calif., FLYING SCHOOL September -- Grand Price of Body. (International dir-Sept. 32 - Compo Bown Dontach do la Meurobe, Calif

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